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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/004,173

10/09/2001

James Clough

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09/22/2006

HEWLETT PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
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EXAMINER

MILIA, MARK R

ART UNIT

PAPER NUMBER

2625

DATE MAILED: 09/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/004,173

Applicant(s)

CLOUGH ET AL.

Examiner

Mark R. Milia

Art Unit

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 July 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. Applicant's amendment was received on 7/10/06 and has been entered and made of record. Currently, claims 1-18 are pending.

Response to Arguments

2. Applicant's arguments filed 7/10/06 have been fully considered but they are not persuasive.

The applicant asserts that the combination of Barnard and DeBry do not disclose, teach, or suggest "an authentication module to supply an authentication code to the workstation, and to review the print job sent by the workstation to determine validity of a copy of the authentication code attached to the print job". The examiner respectfully disagrees as the combination of Barnard and DeBry do disclose, teach, or suggest such a feature. Particularly, DeBry discloses when a user requests a document to be printed that the document source, which may be a server, issues a certificate which guarantees the authorization of the document by the print server (see column 5 line 51-column 6 line 25). DeBry also discloses that after a user is given a certificate the user can send a print request to the print server along with the certificate and the print server will determine if the certificate is authentic and in turn allow the document to be printed (see

column 8 line 50-column 9 line 27). Although DeBry does not explicitly state that the print server supplies the authentication code (certificate), it would have been obvious to have the print server of Barnard perform this task because Barnard acknowledges the need for secure transmission of print data, and it is a matter of preference as to which server supplies this information. Thus, the combination of Barnard and DeBry disclose supplying an authentication code to a workstation and reviewing the print job sent by the workstation to determine validity of a copy of the authentication code attached to the print job.

Therefore, the rejection of claims 1-18, as cited in the previous Office Action, will be maintained and repeated in this Office Action.

Claim Rejections - 35 USC § 103

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

4. Claims 1-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Application Publication No. 2003/0005097 to Barnard et al in view of U.S. Patent No. 6385728 to DeBry.

Regarding claim 1, Barnard discloses a print server, for processing a print job sent by a workstation, the printer comprising: a printer set-up module to provide a print driver for installation on the workstation (see Figs. 2, 4, and 6 and paragraphs [0063] and [0064] lines 1-13).

Barnard does not disclose expressly an authentication module to supply an authentication code to the workstation, and to review the print job sent by the workstation to determine validity of a copy of the authentication code attached to the print job.

DeBry discloses an authentication module to supply an authentication code to the workstation, and to review the print job sent by the workstation to determine validity of a copy of the authentication code attached to the print job (see Figs. 2 and 4, column 4 line 44-column 5 line 7, and column 8 line 50-column 9 line 27).

Regarding claim 6, Barnard discloses a method of printing, comprising: attaching a workstation to a LAN (see Fig. 1 and paragraphs [0030]-[0032]), downloading and installing a print driver on the workstation (see Figs. 2, 4, and 6 and paragraphs [0063] and [0064] lines 1-13), and sending the print job from the print server to a printer (see paragraph [0064] lines 1-13).

Barnard does not disclose expressly downloading an authentication code to the workstation from a print server, sending a print job, containing the authentication code, from the workstation to a print server, and verifying validity of the authentication code.

DeBry discloses downloading an authentication code to the workstation from a server (see column 8 lines 50-65), sending a print job, containing the authentication code, from the workstation to a print server (column 8 line 65-column 9 line 4), and verifying validity of the authentication code (see column 9 lines 6-27), and sending the print job from the print server to a printer (see column 10 lines 18-20).

Regarding claims 10 and 13, Barnard discloses downloading and installing a print driver on the workstation (see Figs. 2, 4, and 6 and paragraphs [0063] and [0064] lines 1-13) and sending the print job from the print server to a printer (see paragraph [0064] lines 1-13).

Barnard does not disclose expressly downloading an authentication code to the workstation from a print server, sending a print job, containing the authentication code, from the workstation to a print server, and verifying validity of the authentication code.

DeBry discloses downloading an authentication code to the workstation from a server (see column 8 lines 50-65), sending a print job, containing the authentication code, from the workstation to a print server (column 8 line 65-column 9 line 4), and verifying validity of the authentication code (see column 9 lines 6-27), and sending the print job from the print server to a printer (see column 10 lines 18-20).

Regarding claim 18, Barnard discloses a print server, comprising: a printer set-up module to provide a print driver for installation on the workstation (see Figs. 2, 4, and 6 and paragraphs [0063] and [0064] lines 1-13).

Barnard does not disclose expressly an authentication module to supply an authentication code to the workstation, and to review a print job processed by the print driver and sent from the workstation to determine validity of the authentication code attached to the print job.

DeBry discloses an authentication module to supply an authentication code to the workstation, and to review a print job processed by the print driver and sent from the

workstation to determine validity of the authentication code attached to the print job (see Figs. 2 and 4, column 4 line 44-column 5 line 7, and column 8 line 50-column 9 line 27).

Barnard & DeBry are combinable because they are from the same field of endeavor, printing based on user printer compatibility.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine the authentication procedure, as described by DeBry, which is well known in the art, with the system of Barnard.

The suggestion/motivation for doing so would have been to provide a secure exchange of data between a computing system and a printing device to ensure only authorized users have access to the systems. Barnard recognizes a need for secure transmission of print data (see paragraph [0053]).

Therefore, it would have been obvious to combine DeBry with Barnard to obtain the invention as specified in claims 1, 6, 10, 13, and 18.

Regarding claim 2, Barnard further discloses a software library to contain the print driver and at least one additional print driver (see Fig. 2 "60" and paragraph [0036] lines 37-39).

Regarding claim 3, Barnard further discloses a webpage interface to gather information from the workstation to indicate a preferred print driver to be sent to the workstation (see paragraphs [0013] lines 5-18, [0038] lines 20-25, [0044] lines 1-3 and 20-28, and [0062]).

Regarding claims 4 and 9, Barnard further discloses a webpage to present a questionnaire to a user of the workstation (see paragraphs [0062]-[0064]).

Regarding claims 5, 8, 12, and 16, Barnard further discloses a MAC address, transferred from the workstation to the print server, to aid in the authentication of the workstation (see paragraphs [0045] lines 15-16 and [0046] lines 10-17).

Regarding claims 7 and 15, Barnard further discloses obtaining information about the workstation (see paragraphs [0013] lines 5-18, [0038] lines 20-25, [0044] lines 1-3 and 20-28, and [0062]-[0064]) and using the information to select the print driver from a library (see paragraphs [0062]-[0064]). DeBry also discloses obtaining information about the workstation (see column 8 line 50-column 9 line 27).

Regarding claims 11 and 14, Barnard further discloses gathering information from the workstation to indicate a preferred print driver to be sent to the workstation (see paragraphs [0062]-[0064]).

Regarding claim 17, Barnard further discloses obtaining information about the workstation from fields send by a browser on the workstation (see paragraphs [0013] lines 5-18, [0038] lines 20-25, [0044] lines 1-3 and 20-28, and [0062]-[0064]).

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark R. Milia whose telephone number is (571) 272-7408. The examiner can normally be reached M-F 8:00am-4:00pm.

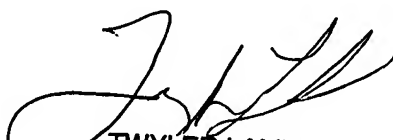
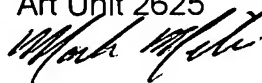
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler M. Lamb can be reached at (571) 272-7406. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2625

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MRM

Mark R. Milia
Examiner
Art Unit 2625



TWYLER LAMB
SUPERVISORY PATENT EXAMINER